

## ABSTRACT

In a domain containing one of many computing devices, the computing device transmits a query and receives back a response from one or more neighbor-casting groups in the domain each including one or more of the computing devices. Predetermined criteria are applied by the computing device to select one of the groups to which it is joined as a group member. The predetermined criteria can be the number of computing devices in the selected group, a length of time between the query and the response from the selected group, or a combination of thereof. When the selected group has few computing devices, the computing device can send a query and receive back a response from one or more groups. By applying criteria similar to the predetermined criteria, the computing device can select one other group, remove itself from its current group, and join the other selected group.